

Climatological Data for March, 1910.
DISTRICT No. 6, MISSOURI VALLEY.

J. WARREN SMITH, District Editor.

GENERAL SUMMARY.

Over the greater part of the Missouri watershed the month was the warmest and driest March on record.

The high and low pressure areas were poorly defined during most of the month and the depressions generally passed eastward across the northern part of the district.

There were very few cloudy and rainy days and the sunshine was from 10 to 25 per cent above the normal. The relative humidity was much below the normal.

The prevailing wind was from the west in Wyoming, Montana, and Colorado, from the northwest in North Dakota and South Dakota, from the south in Nebraska and Kansas, and from the southwest in Iowa and Missouri. The wind movement was less than the average for the month.

TEMPERATURE.

The temperature averaged from 10° to 20° a day above the normal for the month and was from 2° to 8° higher than ever before recorded. In many instances the mean temperature was higher than the normal for April. The daily mean temperatures were above the normal nearly the whole month. The highest temperature was 101° at Grant, Nebr., on the 21st. Maximum temperatures of over 80° were recorded in all States and of over 90° in all, except Wyoming, Montana, North Dakota, and Colorado. The lowest temperature was -7° at Broncho, N. Dak., on the 1st. The lowest temperature recorded in Wyoming was -3° , Montana, -6° , and Colorado, -1° , while in other States the minimum temperatures were not lower than 10° .

PRECIPITATION.

The precipitation was below the normal, except in extreme eastern Montana and western North Dakota, and in the Black Hills district in South Dakota. In Iowa, Nebraska, Kansas, Missouri, and most of Wyoming it was the driest March on record. At many stations in Iowa, Nebraska, and Kansas no rain or only a trace of rain fell during the month. The average for Iowa was only 0.03 inch and for Kansas only 0.04 inch. The greatest monthly precipitation was 3.90 inches at Deadwood, S. Dak., and the greatest amount in any 24 hours, 3.11 inches at Greenmont, S. Dak., on the 29th. The greatest monthly snowfall was 40.4 inches at Greenmont. Only a trace of snow fell in Iowa while the greatest amount at any station in Kansas was 1.8 inches, Missouri, 2.0 inches, and North Dakota, 3.0 inches.

RIVERS.

Owing to the unusually mild weather the ice broke up in the Yellowstone River at the Lower Yellowstone Reclamation Project on March 4, and in the Missouri at the Buford-Trenton Project on the 10th. It broke up at Sioux City, Iowa, on the 5th, at Yankton, S. Dak., on the 6th, at Pierre, S. Dak., on the 11th, and at Bismarck, N. Dak., on the 13th. Newspaper reports indicate that this was the earliest breaking up of the ice at Bismarck for many years. Ice gorges formed in the rivers and considerable damage was done in Montana, North Dakota, and South Dakota.

The water reached 22.7 feet at Bismarck, N. Dak., on the 15th, which is the highest since May 27, 1887. The crest of the high water reached Fort Bennet, S. Dak., on the evening of the 17th where the water was higher than at any other time in the past 22 years. At Yankton, S. Dak., the ice began passing on the afternoon of the 18th, and the crest passed shortly after midnight of the 19th. The highest water at Sioux City, Iowa, was 16.8 feet on the afternoon of the 20th, and was 0.2 foot

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below the flood stage. At Kansas City the highest water was 20.2 feet, or 0.8 foot below the flood stage, on the 24th. The crest reached Glasgow and Boonville, Mo., on the 25th and Hermann and St. Louis on the 26th. At St. Louis the highest water was 7.5 feet below the flood stage, but at Boonville it was only 0.8 foot below.

Considerable damage was done on some of the smaller rivers in Montana, and the James River in South Dakota overflowed its banks in places during the middle of the month.

MISCELLANEOUS.

The weather was unusually favorable for outside work in all parts of the district. The frost went out of the ground by the time the snow covering had disappeared and the growth of vegetation and the progress of farm work were from 2 to 4 weeks ahead of the average season.

The winter wheat showed considerable damage from the covering of ice in some parts of the district and for the lack of snow covering in others. The dry weather during the month had an unfavorable effect also.

Early fruit was in bloom in Kansas by the 20th and at the close of the month fruit was generally in bloom in Missouri, Iowa, and South Dakota. There were some damage by frost in lowlands in Missouri, but this was not extensive and the peach crop was unusually promising in that State.

The following special items were extracted from reports of section directors and others:

Wyoming.—The month was very favorable for stock. Heavy snow fell in some of the extreme eastern portions of the State on the 29th.—W. S. Palmer.

Montana.—The snow conditions in the mountains are shown by the following reports of the forest officers.—R. F. Young.

GALLATIN WATERSHED.

Gallatin Mountains.—March was an unusually warm month and a great deal of snow was melted, but the ground has taken up much of the water and conditions are excellent for a late flow of water from springs and small streams.—F. E. Baker.

Bridger Mountains.—There is more than the average amount of snow remaining in this range, and the drifts are frozen very hard. Everything is favorable for a late run-off under normal weather conditions from now on.—I. Marston.

Bridger Mountains.—The warm weather during March has taken off all the snow in the foothills. The only snow left is in the heavy timber in the high mountains and on the protected slopes.—A. C. Berglund.

JEFFERSON WATERSHED.

Main Range.—The early thaw has resulted in higher water than usual in the streams. Considerable snow at high altitudes has melted, but as the ground is not frozen much of the water was absorbed and conditions are favorable for a late flow of water.—I. Kermeyer.

Bitterroot Mountains.—Owing to the warm weather throughout March there is less snow in the upper Big Hole basin than usual at this time of year.—G. E. Martin.

Main Range.—While the snow is packed and solidly frozen, the ground was not in condition to absorb the water from the snow that has melted, most of which ran off into the streams.—F. E. Hughes.

JUDITH BASIN.

Little Belt Mountains.—There is more snow in the high mountains than for a number of years and the drifts are very solid from thawing and freezing, the conditions being favorable for a late flow of water.—Thomas G. Myers.

MADISON WATERSHED.

Main Range.—There is about 10 feet of solidly packed snow at 8,000 feet elevation. March was unusually warm, and the snow at lower altitudes has disappeared outside the timber, except a few large drifts on the north slopes.—Camas Nelson.

MILK RIVER WATERSHED.

Little Rocky Mountains.—March was very warm, with practically no snow, and consequently most of the snow in the mountains has disappeared, only a few large, hard drifts on the north slopes and in deep gulches remaining.—F. G. Hart.

MUSSELSHELL WATERSHED.

Castle and Little Belt Mountains.—At the beginning of the month there was as much snow in the mountains as I have seen in 20 years, but the warm March weather has taken most of it off. Unless there is more rain than usual there will likely be a shortage of water for irrigation.

Snowy Mountains.—There was more snow than usual at the beginning of the month, but it melted rapidly during March. In the high mountains the snow is very solid.—*R. O. Lewis.*

Little Belt.—No snow fell during March, but very little has melted and run-off from the higher elevations. The depth is from 2 to 15 feet at 7,000 feet altitude.—*F. R. Servoss.*

YELLOWSTONE WATERSHED.

Absaroka Mountains.—There is about 4.5 feet of snow at 7,500 feet elevation, and it is very solid. The fall was very light in March. The snow is very hard from thawing and freezing at high altitudes, and will furnish a steady flow of water during the spring and summer.—*R. A. Dewart.*

ICE IN RIVERS.

On the Central Montana and Puget Sound Railway, between Lombard and Maudlow, on Sixteen Mile Creek, all bridges were more or less damaged by high water and ice gorges, requiring 3 days to repair sufficient for traffic. The bridge at Callabar, Mont., was washed out, taking 2 days to repair. The bridge at Whitney, Mont., was damaged by high water and ice gorge, requiring 4 or 5 days to repair.—*E. H. Barrett, Assistant General Superintendent, Butte, Mont.*

Burns, Mont.—The damage by the ice gorges and high water at this point in the Yellowstone River was about \$10,000 to private property. The gorge was about 6 miles long.—*N. H. Nelson.*

Butte, Mont.—High water and ice jams did considerable damage in Silver Bow County during the early part of March. Both bridges on Silver Bow Creek went out. Nearly all streams tributary to the Big Hole River, near Melrose and Divide, did much damage to ranches and roads. Bridges, roads, and ranches were damaged along Browns Gulch and Basin Creek.—*J. E. Rhein, County Commissioner.*

Glendive, Mont.—The ice went out of the river with little damage to Reclamation Service Works, only one small lateral being destroyed by the high water resulting from the gorge at Burns Creek, which backed the water up as far as Marco. At times the water was within 2 feet of the main canal bank in a few low places, and much damage would have resulted had it overflowed.

The railroad contractors were the heaviest losers, about 20,000 cubic yards of material being washed so badly as to necessitate replacing.

One farmer near Burns, Mr. David Davies, lost heavily on grain which he had stored on his farm, the water reaching a depth of 10 or more feet at this point.

Mr. E. J. Berry, who has a large ranch just above Glendive, lost heavily, quite a number of cattle and other stock being swept down the stream.—*Robert S. Stockton, Irrigation Manager, United States Reclamation Service.*

North Dakota.—The mean temperature for the State was 41.3°, or 20.3° above the normal.—*Orris W. Roberts.*

South Dakota.—At the close of February it was estimated that 30 to 40 per cent of the corn crop of 1909 was yet in the field. Therefore when the snow melted in March the unusual scene was observed of farmers on adjacent holdings engaged in spring plowing, seedling, and gathering corn at the same time. The early starting of grass was favorable for stock on the ranges which had been on scanty feed during the winter because of the depth of snow covering. Prairie fires caused much damage and loss of property in several northwestern counties. The snow-storm of the 29th and 30th in the western portion of the State delayed railroad traffic to some extent. The State game warden reports the weather very favorable to game birds and animals, and that the flight of wild fowl was earlier than usual. There was an ample supply of water in all streams, but the absence of rain reduced and in some places exhausted the supply of water in cisterns in parts of the eastern portion of the State.—*S. W. Glenn.*

Colorado.—Heavy frost occurred on the morning of the 30th, but it is believed that fruit buds were not sufficiently advanced to have been seriously injured. The high wind of the 29th caused much damage to telephone and telegraph poles. Over extensive areas of the plains the poles were torn out of the ground by the combined action of the snow and wind. Trains were also much delayed by the drifting snow. At Sedgwick a small tornado occurred on the 29th; the path was from 200 to 400 feet in width, and extended from northeast to southwest.

Two persons were injured and the property loss is estimated at \$3,500. The early date of this storm is noteworthy; tornadoes are of rare occurrence in Colorado, although several have been reported from the northeastern portion. The amount of snow in the mountains at the close of March was much less than the normal on all watersheds. There were few storms and the snow-fall was light during March. Bright sunshine and unusual warmth during the greater part of the month melted the snow covering of the higher valleys and unprotected slopes. Melting has not begun, however, at the very high altitudes, and only in a moderate degree in the timber and on the northern slopes.—*F. H. Brandenburg.*

Nebraska.—The average temperature for the State was 51.4°, or 7° above that of 1878, which has been the warmest recorded March in the past.—*G. A. Loveland.*

Iowa.—There was no appreciable amount of precipitation at most of the stations from February 23 to March 28. The farmers were in the field gathering the remainder of last year's corn crop by the 5th or 7th. The indications are favorable for an increased acreage of oats and corn. Good seed corn is scarce, however, owing to the severe freeze on the 12th and 13th of October last. The observer at Washta reports the greatest loss of bees ever known in that vicinity. More than three-fourths of those wintered outside are dead.—*G. M. Chappel.*

Kansas.—Transportation interests had no check and building operations proceeded uninterruptedly. The rivers fell slowly and were low at the end of the month.—*T. B. Jennings.*

Missouri.—Owing to extreme dryness forest fires occurred in Webster and adjoining counties; some damage was done to buildings and considerable damage to orchards. The Secretary of the State Board of Agriculture reports that the prospects for peaches is the best that Missouri has had for many years.—*George Reeder.*

Nebraska-Wyoming, North Platte Project.—Violent wind storms during the month have done considerable damage to portions of the canal and lateral systems.—*Reclamation Record.*

Logan, Iowa.—The upper Boyer River drainage district, embracing the Boyer Valley north of Logan for a distance of 18 miles has been established here by the board of supervisors. The project contemplates straightening the Boyer River at an estimated cost of \$130,000.—*The Jackson Sentinel.*

Bozeman, Mont.—A big irrigation scheme, which will provide water for 30,000 acres in the vicinity of Willow Creek and Three Forks, in this county, will be pushed to completion this summer. A canal 3 miles in length will carry water from both North and South Willow Creek to a reservoir with a capacity of some 30,000 acre-feet. This reservoir requires the construction of a dam about 70 feet high. A conduction canal 12 miles in length will carry water from the reservoir to the lands to be irrigated.—*Anaconda Standard.*

THE SHOSHONE RESERVOIR.

By W. S. PALMER, Section Director.

The completion of the Shoshone Dam in Shoshone Canyon which is about 7 miles west of the city of Cody, Wyo., will form a large lake more than 12 miles long and 2 miles wide, extending up both forks of the Shoshone River which divides just above the dam in Shoshone Canyon. The lake will be on the road from Cody to the Yellowstone Park, and the Cody Gateway will be one of the attractions of that most scenic route to Yellowstone Park. The route through the canyon is along the road which had to be literally chiseled out of the solid rock walls of the canyon by the Government engineers before work on the great dam could be commenced. Beyond the canyon the road leads along the north bank of the reservoir which will extend several miles up the North Fork of the Shoshone River, and follows the river to the boundary of the Park which is entered over Sylvan Pass, from which one of the grandest views of the Park can be ob-

MONTHLY WEATHER REVIEW.

MARCH, 1910

TABLE 1.—Climatological data for March, 1910. District No. 6, Missouri Valley.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.		Highest.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .10 inch or more.	Number of clear days.			
					Highest.	Date.													
<i>Wyoming.</i>																			
Arapahoe.	Fremont.	5,500	2														David Malloy.		
Barnum.	Johnson.	5,088	39														Thomas Freegaard.		
Basin.	Big Horn.	3,862	11	44.1	+11.1	48.78	23	21	30	12	0.37	—0.26	0.25	0.5	2	27	3	1 w.	
Bennett.	Carbon.		2														Chas. C. Young.		
Big Creek Station.	Albany.			38.4		65	22 [†]	—3	30	47	0.41		0.23	8.4	3	21	7	3 w.	
Casper.	Natrona.	5,101	2														U. S. Forest Service.		
Cheyenne.	Laramie.	6,088	39	44.4	+11.4	73	22	17	30	39	1.45	+0.50	1.43	14.1	3	15	13	3 nw.	
Chugwater.	do.	5,282	9	48.1	+12.2	79	22	13	7	52	0.60	-0.47	0.60	6.0	1	28	3	0 w.	
Clark.	Big Horn.	4,320	4	48.8		75	22	24	6	35	0.41		0.25	3.0	2	14	14	3 w.	
Cody.	do.	5,000	3	46.0		74	20	18	6	42	0.19		0.10	1.0	2	22	8	1 w.	
Crystal Lake Reservoir.	Laramie.	6,930	1														Cheyenne City Engineer.		
Dome Lake.	Sheridan.	8,821	3	32.2		60	19	5	30	43	0.60		0.40	0.0	2	19	10	2 sw.	
Douglas.	Converse.	4,793	1														Henry C. Miller.		
Dubois.	Fremont.	6,009	3	39.5		64	21 [†]	21	11	42	0.18		0.12	2.4	2	20	9	2 w.	
Ester's Ranch.	Sheridan.	4,800	5	52.2 [†]		79 [†]	20	28 [†]	24	36 [†]	0.40		0.20 ^b	2.0 ^b	3 ^b	0 ^b	0 ^b	F. A. Eaton.	
Echeta.	Crook.	4,200	1														M. R. Hunter.		
Elk Mountain.	Carbon.		5														Wm. Richardson.		
Encampment.	do.	7,322	1	39.3 ^e		77	21	—3	30	37	0.35 ^e		0.23 ^e	2 ^e	20 ^e	6 ^e	0 ^e	U. S. Forest Service.	
Ervay.	Natrona.	4,230	1	43.0		77	21	15	9	37	0.42		0.30	4.5	3	19	7	5 sw.	
Fort Laramie.	Laramie.	4,270	32	47.8	+12.7	79	21	13	10	49	0.14	-0.53	0.12	2.0	2	25	4	2 w.	
Fox Creek Station.	Albany.																U. S. Forest Service.		
Gillette.	Crook.	4,546	3	47.5		79	22	19	30	38	0.10		0.10	1.0	1	24	5	2	
Granite Canyon.	Laramie.	7,337	5														Lee A. Boyce.		
Hunters' Station.	Johnson.	8,000	4	36.7		63	22 [†]	6	7	45	0.32		0.24	2.0	2	27	0	4 w.	
Hyattville.	Big Horn.	4,632	11	46.2	+10.2	79	21	16	30	42	0.47	-0.32	0.30	7.5	2	20	5	6 w.	
Kiriley.	Converse.	6	45.6	+11.2		78	22	18	30	42	0.47					25	5	1 sw.	
Kirwin.	Big Horn.	9,187	2														C. L. Tewksbury.		
Knowles.	Crook.		1														G. A. Knowles.		
Lander.	Fremont.	5,373	18	43.0	+11.7	71	20	18	30	40	0.50	-1.01	0.47	2.7	3	15	12	4 sw.	
Laramie.	Albany.	7,188	19	39.6	+10.2	68	21 [†]	8	30	47	0.33	-0.46	0.30	3.3	2	20	6	5 sw.	
Leo.	do.	6,878	9	40.2	+9.3	68	21 [†]	0	30	46	0.26	-0.58	0.18	2.5	3	21	7	3 w.	
Lolobama Ranch.	Big Horn.	7,052	6	38.0	+8.1	64	20	17	11	37			0.15	0.0	3	14	13	4 n.	
Lovell.	do.	5	45.6			78	22	22	11 [†]	47	0.28		0.60	9.0	0	20	5	4 n.	
Lusk.	Converse.	5,007	20														Henry D. Colburn.		
Luther.	Laramie.		1	45.7		76 [†]	23	13 [†]	30	43 [†]	1.25 [†]		1.20 ^c	12.0 ^c	1 ^c				
Manville.	Converse.	5,050	1														nw.		
Moorecroft.	Crook.	4,211	7	44.4	+10.6	80	22 [†]	18	6	49	0.10	-0.88	0.10	1.0	1	21	6	4 nw.	
Moore.	Albany.	6,000	9	45.2 ^g	+9.8	75 [†]	22	19 ^g	7	43 [†]	0.03 ^g	-0.70 ^g	0.03 ^g	4.8 ^g	1 ^g	27	1	2 w.	
Newcastle.	Weston.	4,319	3	47.2		82	22	18	9	42	0.65		0.35	3.0	2	24	5	2 nw.	
Pathfinder.	Natrona.	5,735	4	44.6	+10.1	75	22 [†]	19	6	41	0.08	-0.65	0.19	5.0	3	21	7	3 sw.	
Phillips.	Laramie.	4,900	7	31.6		58	21	0	30	42	0.99		0.51	10.0	3	23	2	2 w.	
Pine Bluff.	do.	5,038	9			80	23	8	29	51	0.80	-0.02	0.80	8.0	1	26	3	2 w.	
Powell.	Big Horn.	4,376	3	45.4		78	20	18	30	45	0.05		0.05	0.0	1	18	12	1 w.	
Rawlins.	Carbon.	6,748	8	42.7	+11.3	65	21	18	30	27	0.16	-0.96	0.10	1.2	3	20	8	3 w.	
Riverton.	Big Horn.	4,960	2	40.1 ^h		75 [†]	26	17 ^h	25	46 [†]									
Saratoga.	Carbon.	7,300	12	41.6	+10.5	71	21	5	30	45	0.10	-1.58	0.19	2.0	1	18	8	5 e.	
Sheridan.	Sheridan.	3,790	15	45.2	+13.9	78	22	22	6	46	0.30	-0.96	0.35	T.	2	15	12	4 nw.	
Shoshone Dam.	Big Horn.	5,385	4	48.7		74	18	23	9	36	T.		T.	0	0	27	1	2 w.	
Soldiers Home.	Johnson.	4,635	18	45.0	+12.0	75	22 [†]	19	6	41	0.08	-0.65	0.05	0.5	2	12	17	2 sw.	
South Pass City.	Fremont.	7,873	8	31.6		58	21	0	30	42	0.99		0.51	10.0	3	23	2	7 sw.	
Thermopolis.	do.	4,350	6			78	22	19	30	49	0.50		0.36	T.	2	24	5	2 sw.	
Upton.	Weston.																Summer Müller.		
Valley.	Big Horn.	6,500	1														U. S. Reclamation Service.		
Verona.	Sheridan.																C. J. Ehrenfeld.		
Wiley.	Big Horn.	5,375	1	46.0		73	20	18	6	39	0.45		0.20	T.	2	18	9	1 w.	
Wyncote.	Laramie.	4,207	3	48.6		83	22	14	10	53	0.63		0.62	3.0	2	21	9	1 w.	
Yellowstone Park.	National Park.	6,300	22	38.0	+11.5	62	20	16	30	35	0.82	-1.36	0.45	5.9	11	8	14	9 s.	
(1) Fountain Hotel.	do.	7,220	4														U. S. Army.		
(2) Grand Canyon.	do.																Do.		
(3) Lake Hotel.	do.																Do.		
(4) Norris Gey. Basin.	do.																Do.		
(5) Riverside.	do.																Do.		
(6) Soda Butte.	do.																Do.		
(7) Sylvan Pass.	do.																Do.		
(8) Thumb.	do.																Do.		
(9) Tower Falls.	do.																Do.		
(10) Upper Gey. Basin.	do.																Do.		
<i>Montana.</i>																			
Adams.	Dawson.		2	43.9		84	22	10	1	43	1.51		1.17	T.	4	17	10	4 nw.	
Adel.	Cascade.	5,200	11	43.0	+14.5	70	26	30	5	35	0.23	-1.05	0.20	2.0	2	19	9	3 w.	
Agricultural College.	Gallatin.	4,700	12	42.4	+11.9	69	20	19	6	32	0.62	-0.65	0.49	2.5	3	12	17	2 sw.	
Augusta.	Lewis & Clark.	4,371	12	42.6	+13.8	75	26	11	7	49	T.	-1.28	T.	0	0	21	10	0 w.	
Babb.	Teton.	4,461	4	39.2		64	15	14	1	41	1.98		1.55	4.5	2	15	13	3 sw.	
Bald Butte.	Big Creek.	6,500	4														Matt W. Alderson.		
Big Timber.	Park.																Peter Vink.		
Big Timber Creek.	do.																W. H. Patterson.		
Billings.	do.																Do.		
Boulder Noursey.	Yellowstone.	3,115	15	47.1	+12.2	82	20 [†]	18	30	50	0.05	-0.90	0.05	1				U. S. Weather Bureau.	
Bowen.	Jefferson.	4,923	14	36.9 ^g	+8.1	50 ^g	17	10 ^g	9	41 ^g	T.	-0.46	T.	0	13 ^g	9 ^g	2 ^g	U. S. Forest Service.	
Brider.	Beaverhead.	6,060	4	27.6															

TABLE 1.—*Climatological data for March, 1910. District No. 6—Continued.*

Stations.	Counties.	Temperature, in degrees Fahrenheit.										Precipitation, in inches.										Sky.	Prevailing wind direction.	Observers.
		Elevation, feet.	Length of record, yrs.	Mean.	Departure from the normal.			Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.			Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days .01 in. or more.	Number of partly cloudy days.	Number of cloudy days.			
<i>Montana—Cont'd.</i>																								
Cut Bank.		3,700	12	43.0	+17.6	72	20	11	1	49	T.	-	1.10	T.	0.0	0	18	10	3	w.			Chas. N. Thomas.	
Deeker.		3,400	6	44.6		70	11	24	3	35	0.50	0.50	0.6	1	18	12	1	w.			Adam Anderson.			
Delpine.		5,000		Meagher.							0.03	0.03	0.6	3	18									T. B. Holliday.
Denton.																								R. M. Chamberlain.
Dillon.		5,147	13	41.6	+ 8.2	74	14	20	29†	48	0.31	-	1.18	0.20	2.0	3	16	10	5	sw.			J. E. Monroe.	
Dirty Creek.				Meagher.																				Lewis Cameron.
Dry Creek.				Beaverhead.																				J. C. Stuart.
Dry Wolf Camp.				Broadwater.																				Mrs. R. J. Eveleth.
East Gallatin River.				Cascade.																				John Eberhart.
Ekalaka.		6,000	10	Gallatin.																				Wm. Freese.
Elkhorn.				Custer.																				James Heagan.
Evans.		4,900	3	Cascado.																				H. Tharsler.
Fenton.		2,293	6	Custer.																				Mrs. A. C. Gifford.
Family§.				Teton.																				U. S. Reclamation Service.
Fish Creek**§.				Silver Bow.																				O. B. Tilton.
Fish Tail Creek.				Carbon.																				O. E. Haskin.
Flathead Creek.				Gallatin.																				L. G. Brown.
Forsyth.		2,514	4	Rosebud.																				W. F. Clarke.
Fort Benton.		2,630	39	Chouteau.																				Jens Sullivan.
Fort Shaw.		3,500	22	Cascade.																				U. S. Reclamation Service.
Fort W. H. Harrison§.		4,004	6	Foster.																				Post Hospital.
Garnet.				Yellowstone.																				E. K. Bowman.
Glendive.		5,500	1	Fergus.																				Thos. E. Scally.
Goldbutte.		2,060	20	Dawson.																				W. B. Walker.
Graham.				Chouteau.																				J. T. Berthelote.
Grayling.				Gallatin.																				J. S. Rue.
Great Falls.		6,700	4	Yellowstone.																				P. Kerzenmacher.
Half Moon Pass.		3,350	19	Fergus.																				S. H. Pauman.
Half Way House.		6,500		Broadwater.																				Thos. Stigen.
Harlowton.		4,165	2	Meagher.																				Gordon Deans.
Hassel.		5,200		Broadwater.																				Joseph Muir.
Havre.		2,505	30	Chouteau.																				E. C. Albrecht.
Helena.		4,110	30	Gallatin.																				U. S. Weather Bureau.
Highwood.				Yellowstone.																				Do.
Home Park.				Fergus.																				W. S. McCord.
Huntley.				Park.																				H. L. Miller.
Jones Canyon.				Madison.																				U. S. Reclamation Service.
Jordan.				Yellowstone.																				Jas. McCune.
Kleinsmith Creek.				Gallatin.																				W. C. Henderson.
Lewistown.				Dawson.																				Mrs. E. W. Mills.
Livingston.		4,010	13	Fergus.																				W. W. Watson.
Lodge Pole Creek.				Park.																				Lewis Terwilliger.
Lone Tree.				Sweetgrass.																				F. G. White.
Lost Horse Creek.				Chouteau.																				E. Wilson.
Malts.		5,800	3	Meagher.																				C. M. Mason.
Meadow Creek.		2,240		Valley.																				U. S. Reclamation Service.
Melstone.		6,700		Madison.																				F. E. Parent.
Mildred.				Fergus.																				E. J. Parkinson.
Miles City.		2,371	19	Custer.																				Leon B. Clarke.
Mill Creek.		5,500	1	Chouteau.																				U. S. Weather Bureau.
Moore.				Park.																				W. H. Edick.
Mudd Creek.				Fergus.																				Clyde Grove.
Deer Lodge.				Madison.																				Emory Mudd.
Norris.				Yellowstone.																				Madison River Power Co.
Nye.		4,845	4	Fergus.																				F. L. Bryant.
Olsen Creek.		7,000	1	Sweetgrass.																				Robt. Olsen.
Pipestone Pass.				Jefferson.																				Mrs. Theola Kiermeyer.
Poplar.		2,020	25	Valley.																				H. M. Cozier.
Raymond.		4,200		Teton.																				W. H. Campbell.
Red Lodge.		5,343	10	Carbon.																				I. A. Draper.
Rees Creek.		5,000		Gallatin.																				Henry Cramer.
Renova.		4,333	11	Jordan.																				F. B. Elmer.
Rimini.		7,900	2	Lewis & Clark.																				Milo Brooks.
Ryegate.		3,640	1	Yellowstone.																				H. W. Scherfenberg.
Sedan.		3,155	2	Gallatin.																				Jas. Wooley.
Springbrook.				Dawson.																				Mrs. H. L. Miller.
Stearns.		4,500	9	Lewis & Clark.																				J. W. Hardgrove.
Three Forks.		4,060	46.6	Gallatin.																				A. A. Adams.
Tokna§.		2,050	5	Dawson.																				U. S. Reclamation Service.
Townsend.		3,790	1	Broadwater.																				River Observer.
Trail Creek.		6,000	1	Fergus.																				Andrew Wiedenbauer.
Utica.		5,000	16	Billings.																				P. W. Korell.
Valentine.				McLean.																				B. M. Bean.
Virginia City.				Bismarck.																				M. Mailand.
Wall Rock Mountain.				Broncho.																				D. L. Doig.
Warm Springs Creek.				Buford.																				M. D. Lytle.
West Rosebud Creek.				Williams.																				C. P. Whitten.
Willow Creek.		9,000	5	Carbon.																				John Topp.
Wolf Creek.		4,000		Lewis & Clark.																				A. W. Verharen.
Wolf Point.		1,985		Valley.																				River Observer.
Woodville.		6,376		Jefferson.																				Anna Kinman.
<i>North Dakota.</i>																								
Aplin.		3	41.44	Oliver.																				J. B. Hagelbarger.
Beach.		2,750	3	Billings.																				D. J. Steiner.
Berthold Agency.		2,082	13	McLean.																				C. L. Hall.
Bismarck.		1,674	35	42.6	+18.8	87	22	11	1	47	2.05	1.38	0.0	3	22	8	1	w.					U. S. Weather Bureau.	
Broncho.				Burleigh.																				E. M. Walker.
Buford.				Mercer.																				G. O. Sanford.
Williams.		1,944	4	43.44	+21.0	87	22	5	1	45	1.18	1.40	0.19	1	18	12	4	nw.					F. H. Childs.	
Dickinson.		1,901	13	McLean.																				L. R. Waldron.
Edgeley.		2,453	17	41.0	+17.4	87	22	3	1	45	1.18	1.40	0.19											

TABLE 1.—Climatological data for March, 1910. *District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.				
North Dakota—Cont'd.																					
Jamestown.	Stutsman.	1,390	22	40.4	+19.3	85	23	9	1	42	1.53	+ 0.49	1.10	3	14	16	1	sw.	L. B. Baldwin.		
Lamoine.	Kidder.	2	39.7	76	1	5	22	44	T.	0.0	0	0	24	3	4	nw.	E. V. Virgin.				
Lamoure.	Lamoure.	1,307	3	40.6		83	23	11	7	39	0.31		0.15	1.0	3	18	6	7	nw.	A. H. Ormsby.	
McHenry.	Eddy.	1,509	1	40.6		84	23	0	6	42	0.36		0.20	0.0	4	18	9	4	sw.	John Knox.	
Manfred.	Wells.	1,605	8	40.7							0.40		0.22	0.5	3	15	11	5	w.	P. B. Anderson.	
Marmarth.	Bowman.																		S. P. Graze.		
Marstonmoor.	Stutsman.																		H. H. McCumber.		
Medora.	Billings.	2,225	13	44.6	+19.8	86	22	6	2	53	0.64	- 0.29	0.44	T.	4	20	7	4	no.	J. W. Hesser.	
Melville.	Foster.	1,590	12	42.0*	+20.7	80 ^a	23	12 ^a	1	44 ^a	T.	- 0.77	T.	0.0	0				w.	J. P. Kidder.	
Mott.	Hettinger.	3	39.9	86	26			0	6	42	0.62		0.30	0.0	4	12	14	5	w.	O. H. Opland.	
Napoleon.	Logan.	1,955	18	39.6	+19.1	87	23	2	1	51	0.67	- 0.38	0.57	0.0	2	22	4	5	sw.	C. J. Hoof.	
New England.	Hettinger.	2,400	14	40.8	+18.5	84	22	6	7	53	0.75	- 0.22	0.50	0.0	3	24	7	0	nw.	W. C. McKenzie.	
New Salem.	Morton.	2,163	3	43.0		85	22	7	1	47	0.40		0.35	0.0	2	21	6	4	nw.	J. Christianson.	
Orange.	Adams.	3	42.0	85	22	9	7	69	T.	0.32		0.22	0.0	12	21	6	4	nw.	J. E. Goforth.		
Palermo.	Ward.	2,200	6																T. A. McCann.		
Schafer.	McKenzie.	1	45.0	85	22	12	1	44	T.	1.28		0.75	0.0	4	24	4	3	w.	F. L. Clark.		
Steele.	Kidder.	1,857	14																B. C. Smith.		
Swartwood.	Bowman.	2																	W. F. Adams.		
Washburn.	McLean.	1,731	6	43.2*		83 ^a	23	10 ^a	1	42 ^a	0.76		0.72	0.0	2	21	9	1	w.	W. R. Peterson.	
Williston.	Williams.	1,875	33	42.3	+20.7	84	22	3	1	43	1.31	+ 0.63	1.07	0.0	5	10	11	10	w.	U. S. Weather Bureau.	
Wishon.	McIntosh.	2,010	5	42.6		86	23	11	6	52	0.41		0.30	3.0	3	24	6	1	w.	H. E. Timm.	
South Dakota.																					
Aberdeen.	Brown.	1,300	20	44.2	+19.0	88	23	15	1†	50	0.80	- 1.24	0.35	...	3	20	6	5	s.	D. G. Gallett.	
Academy.	Charles Mix.	11	51.2*	+18.3	89 ^a	21	25 ^a	7	46 ^a	0.46	- 0.75	0.48	2.0	1	23	5	3	nw.	I. T. Lothrop.		
Alexandria.	Hanson.	1,352	21	48.9	+19.3	89	23	23	31	51	0.38	- 1.15	0.38	0.0	1	24	7	0	se.	W. S. Hill.	
Ardmore.	Douglas.	1,521	15																C. V. Glenn.		
Armour.	Butte.	3,030	2																J. S. Bean.		
Belle Fourche.	Edmunds.	1,905	15																U. S. Reclamation Service.		
Bowdle.	Brookings.	1,636	21	46.2	+18.6	84	23	19	14	53	0.35	- 0.45	0.20	T.	2	17	14	0	nw.	Chas. Paul.	
Burke.	Gregory.	2	50.2*	86 ^a	22	21 ^a	8	41 ^a	50 ^a	0.50		0.50	0.0	1	25	2	4	s.	Experiment Station.		
Canton.	Lincoln.	1,248	15	48.3	+16.9	86	23	20	14	51	0.05	- 1.26	0.05	0.0	1	28	1	2	se.	James Connell.	
Cascade Springs.	Fall River.	3,422	2	48.3	86	23	20	10	54	1.00		0.30	T.	4	23	5	3	nw.	John H. Holsey.		
Castlewood.	Hamlin.	1,085	4	44.6		84	23	19	1	46	0.52		0.52	T.	2	14	8	9	nw.	Fred Noerenberg.	
Centerville.	Turner.	1,229	13																M. N. Bradley.		
Chamberlain.	Brule.	1,363	13	49.4*	+16.8	87 ^b	21	20 ^b	27 ^b	48 ^b	0.50	- 0.56	0.36	T.	2	17	12	12	se.	Frank Williams.	
Clark.	Clark.	1,779	16	45.0	+18.7	82	23	18	1	40	0.62	- 0.60	0.35	0.2	3	20	9	2	sw.	G. A. Fry.	
Clear Lake.	Deuel.	1,800	7																O. H. LaCraft.		
Cottonwood.	Stanley.			47.8		88	22	19	10	50	0.76		0.35	5.0	4	21	8	2	nw.	L. F. Hanley.	
Daviston.	Perkins.			42.6*		86 ^a	22	12 ^a	7	50 ^a	1.69		1.55	T.	2	18	9	4	nw.	Experiment Station.	
Deadwood.	Lawrence.	4,535		45.6		78	22	17	1	41	3.90		2.50	14.5	4	25	2	4	n.	G. G. Davis.	
Deerfield.	Pennington.	6,000																	R. E. Grimshaw.		
De Smet.	Kingsbury.	1,728	17	45.0*	+17.5	85	23	19 ^a	1	48 ^a	1.16		0.40	6.4	5	25	4	2	n.	Frank E. Miller.	
Dowling.	Stanley.	2,250		49.3		88	22	23	7	44	1.10		0.80	3.7	4	19	8	4	ne.	J. G. Purinton.	
Dumont.	Lawrence.	6,195																	M. P. Dowling.		
Elk Mountain.	Custer.			4,700		75	22	20	1	31	2.18		2.90	21.8	5	14	13	4	w.	A. B. Wood.	
Elk Point.	Union.	1,127	11																James E. Blaine.		
Ellington.	Perkins.																		M. Hoffmann, jr.		
Englewood.	Lawrence.	5,723																	John B. Jolly.		
Eureka.	McPherson.	1,884	1	45.0		85	23	14	7	42	2.82		1.45	15.0	5	12	15	4	s.	Experiment Station.	
Faulkton.	Faulk.	1,505	15	45.5	+17.9	85	21	19	7	45	1.23		0.93	0.0	2	20	10	1	w.	John B. Jolly.	
Flandreau.	Moody.	1,565	20	46.9	+18.5	84	23	21	17	47	1.50	- 0.13	0.90	T.	2	25	4	2	w.	Miss Belle Talcott.	
Forestburg.	Sanborn.	1,231	18	47.0	+17.5	91	23	20	7	54	1.47	- 0.55	0.53	0.50	T.	3	19	9	3	s.	W. A. Harris.
Fort Meade.	Meade.	3,624	23	51.0	+19.4	85	22	22	7	41	1.55	+ 0.11	0.70	0.5	4	20	8	3	sw.	S. S. Judy.	
Frederick.	Brown.	1,371	3																Post Hospital.		
Gann Valley.	Buffalo.	12	48.5	+15.7	88	23	20	13	51	T.	- 0.95	T.	0.0	0	15	15	1	sw.	J. E. Jeffers.		
Greenmount.	Lawrence.	6,430	16	51.7	+17.2	91	21	22	7	47	3.86		3.11	40.4	4	21	6	4	w.	V. P. Drips.	
Greenwood.	Charles Mix.	16																	Hugh V. Harlan.		
Hardy Ranger Station.	Lawrence.	6,600																	T. C. Williamson.		
Harvey's Ranch.	do.																		Mrs. Mary E. Seals.		
Hermosa.	Custer.	3,278	4	49.8*		87 ^a	22	22 ^a	6	44 ^a	1.05		0.50	5.5	3	24	5	2	sw.	Jerome Harvey.	
Highmore.	Hyde.	1,890	14	46.5	+19.2	86	23	20	7	46	0.58	- 0.43	0.54	0.0	2	24	4	2	nw.	S. M. Booth.	
Hill City.	Pennington.	5,067																	Experiment Station.		
Hopewell.	Stanley.																		Geo. A. Karr.		
Howard.	Miner.	1,564	18	47.8*	+16.5	87 ^a	23	19 ^a	7	46 ^a	0.60	- 0.48	0.40	0.0	2	25	5	3	sw.	M. A. Shuster, jr.	
Howell.	Hand.	8	45.6	88	21†	19	14	52	50 ^a	0.38	- 0.89	0.08	T.	2	24	4	2	sw.	J. B. Taylor.		
Huron.	Beadle.	1,336	28	45.8	+19.1	85	23	20	7	49	0.18	- 0.89	0.08	T.	2	25	6	6	sw.	Rev. D. S. Brown.	
Ipswich.	Edmunds.	1,530	13	43.4	+17.6	83	21	15	1	49	1.05	- 0.44	0.90	0.0	2	25	5	3	sw.	R. C. Van Horn.	
Kadoka.	Stanley.	2,467	17	47.8*	+17.9	91 ^b	22	21 ^b	7	54 ^b	1.30		0.47	5.0	5	19	8	5	s.	H. C. Schussler.	
Kennebec.	Lyman.	1,889	17																G. D. Rose.		
Kidder.	Marshall.	1,295	6	44.1		83	23	13	1	43	0.48		0.45	0.0	2	26	0	0	nw.	E. L. Ebbert.	
Kimball.	Brule.	1,788	21	48.2	+18.3	80	21	22	6	44	0.09	- 0.99	0.09	0.0	1	23	4	4	sw.	E. F. Irwin.	
La Delle.	Spink.	1,403	13	46.6	+18.4	85	29	15	8	45	0.48	- 0.55	0.30	T.	2	23	6	3	sw.	W. E. Lyman.	
Lawrence.	Grant.	5,200		46.0		75	22	20	1	31	2.18		1.10	10.0	3	22	6	3	sw.	P. G. Robinson.	
Perrin.	Hughes.	2,345	1	43.0		85	22	14	7	43	0.20										

TABLE 1.—Climatological data for March, 1910. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.			Number of rainy days ≥1 inch or more.	Number of part- ly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.			
<i>South Dakota—Cont'd.</i>																	
Stephan.	Hyde.	1,840	6	45.4		85	21 ⁺	19	7	53	0.05	0.05	T.	1	18	nw.	
Tama.	Meade.	1	44.4			89	32	19	7 ⁺	45	1.13	0.37	T.	3	15	10	
Vale.	Butte.	2,765	2	47.8		98	22	21	10	45	0.95	0.63	1.4	2	25	nw.	
Vermilion.	Clay.	1,232	9	52.1		89	23	25	7 ⁺	48	0.08	0.05	0.0	2	29	s.	
Water's Ranch.	Lawrence.	4,000														George Waters.	
Watertown.	Codington.	1,735	16	45.0	+18.7	82	23	20	14 ⁺	39	T.	-0.83	T.	0	23	6	
Wentworth.	Lake.	17	46.8 ^a	+18.3		84 ^a	23	23 ^a	1	46 ^a	0.15	-0.85	0.06	0.0	3	25	4
Wessington Springs.	Jerauld.	1,410	11													R. C. Zimmerman.	
White Lake.	Aurora.	1,646														F. N. Dunham.	
Yankton.	Yankton.	1,234	36	50.4	+19.2	88	23	26	14	43	0.39	-0.75	0.39	T.	2	12	14
<i>Minnesota.</i>																Mrs. G. A. Rogers.	
Pipestone.	Pipestone.	1,710	11	46.0	+18.5	84	23	20	14 ⁺	48	0.04	-0.75	0.04	0.2	1	24	6
<i>Colorado.</i>																U. S. Weather Bureau.	
Akron.	Washington.	4,650	8								0.26		0.18	0.0	2	w.	
Alma.	Park.	10,238	13								0.36	-0.99	0.21	6.0	19	9	
Arriba (near).	Lincoln.	5,238	4	46.6		77	22 ⁺	18	15	54	1.00		1.00	4.0	1	21	3
Auldhurst.	Teller.	8,500									0.54		0.41	5.5	2	17	12
Barker.	Boulder.	8,489	3													Eastern Colo. Power Co.	
Boreas.	Park.	11,489									0.28		0.22	8.8	3	14	3
Boulder.	Boulder.	5,347	14	51.0	+14.5	83	21	24	30	34	0.05	-1.63	0.05	T.	2	26	4
Burlington.	Kit Carson.	4,160	6	51.6 ^a		85	12	10 ^a	10	53 ^a	0.05		0.05	0.0	1	23	7
Cassells.	Park.	8,445														Harriet M. Cassell.	
Castle Rock.	Douglas.	6,220	18	44.3	+ 8.3	76	22	3	29	49	1.67	+ 0.55	1.07	20.03	1		Chas. Hy. Ellis.
Cheeseman.	Jefferson.	6,890	7	43.8		69	20	14	10	44	0.40		0.40	4.0	1	17	3
Cheyenne Wells.	Cheyenne.	4,279	18	51.2 ^a	+13.5	89 ^a	17	14 ^a	10	59 ^a	0.09	-0.79	0.09	0.0	1	26 ^b	0 ^b
Como.	Park.	9,785	10													J. B. Robertson.	
Cope.	Washington.	12	48.3	+10.4		79	5	18	10	49	0.96	-0.30	0.96	0.0	1	22	9
Corona.	Grand.	11,660	3	24.4		44	19 ⁺	-1	30	28	3.14		0.88	32.8	7	21	6
Denver.	Denver.	5,272	38	50.4	+11.7	78	22	18	30	42	0.96	-0.03	0.96	2.8	2	24	6
Edgewater.	Jefferson.	5,450	2	47.6		86	22	12	30	54	0.86		0.86	0.3	1	24	6
Estes Park Fish Hatchery.	Larimer.	8,900									0.16		0.16	3.0	1	18	9
Fort Collins.	Larimer.	4,985	31	47.1	+11.2	80	22	12	10	51	0.06	-0.99	0.05	0.0	2	22	8
Fort Morgan.	Morgan.	4,319	12			65	19	13	10	40	0.37		0.24	5.0	3	16	3
Frances.	Boulder.	9,300	5	40.0		70	21 ⁺	16	30	40	0.74		0.74	6.0	1	23	7
Fry's Ranch.	Larimer.	7,500		42.4							0.29		0.10	1.5	4	23	4
Georgetown.	Clear Creek.	8,550	9								0.44	-0.44	0.40	2.5	1	24	5
Greely.	Weld.	4,649	18	48.8	+11.6	84	22	12	29	62	0.40		0.04	1.3	4	24	4
Hartsel.	Park.	7,679									0.25		0.25	0.0	1	30	0
Hawthorne.	Boulder.	3,745	14			82 ^a	21	13	10	54	0.02		0.34	0.0	1	27	0
Holyoke (near).	Phillips.	7,534	10	42.8	+ 8.5	70	21 ⁺	15	10	37	0.44	-0.65	0.30	4.0	3	31	0
Idaho Springs.	Clear Creek.	7,534	19								0.22		0.15	3.0	2	15	14
Koehler.	Boulder.	7,720	3								0.01	-1.35	0.01	0.0	1		
La Porte.	Larimer.	5,053														Geo. W. Johnson.	
Le Roy (near).	Logan.	4,380	20													Enos A. Mills.	
Longmont.	Boulder.	4,980	8	48.8 ^a		82 ^a	21	13	10	54	0.02		0.02	0.0	1	26	4
Long's Peak (near).	Larimer.	8,600	15	37.5	+11.0	62	22	9	10	48	0.64	-1.37	0.42	8.0	3	23	4
Moraine.	... do.	7,775	20	46.0	+10.5	65	22	5	10	41	0.25	-1.46	0.25	3.0	1	24	5
Platte Canyon.	Jefferson.	5,492	11								0.65	-0.34	0.65	1.0	1	28	2
St. Cloud.	Larimer.	7,750	7			88	21	12	1	60	0.92		0.68	7.5	1	18	8
Sedgwick.	Sedgwick.	3,573	2	49.2		47	21	2	10 ^a	28	1.12		0.55	0.3	4	26	4
Sill Mine.	Clear Creek.	11,500	1	27.0												Dr. Edwin Lewis.	
Spicer (near).	Larimer.	8,700														Frank W. Murphy.	
Sterling.	Logan.	3,892		49.6		86	22	15	10	55	0.36		0.36	T.	2	24	4
Waterdale.	Larimer.	5,206	7	49.5	+11.7	79	21 ⁺	18	10	47	0.11	-1.35	0.07	0.0	2		
Westlake.	Boulder.															P. H. Boothroyd.	
Wray.	Yuma.	3,512	14	51.0	+12.3	88	22	21	14 ⁺	58	0.38	-0.71	0.31	0.0	3	25	6
Yuma.	Yuma.	4,138	19								0.45	-0.92	0.45	T.	1	19	6
<i>Nebraska.</i>																Geo. W. Custer.	
Ainsworth.	Brown.	2,521	5	50.6		89	22	20	7	52	0.50		0.39	4.4	3	8	20
Albion.	Boone.	1,747	12	51.9	+15.5	89	22	16	10	49	0.39	-0.49	0.39	3.5	1	19	7
Alliance.	Boxbutte.	3,963	15	47.2	+13.2	84	22	18	30	50	1.10	+ 0.26	0.00	0.0	2	26	3
Alma.	Harlan.	1,930	13	53.0	+12.1	92	23	19	31	58	0.00	-0.82	0.00	0.0	0	25	6
Anoka.	Boyd.	4	50.0			92	22	18	7	57	0.09		0.09	0.0	1	16	10
Arcadia.	Valley.	2,188	11								0.23		0.23	0.0	1	24	5
Ashland.	Saunders.	1,100	27	52.7	+13.8	90	22	26	7 ⁺	49	0.09	-0.98	0.09	0.5	1	25	5
Atkinson.	Sherman.	2,061	17			90 ^a	22	19	10	51 ^a	0.04	-0.43	0.30	3.0	1	24	5
Bolt.	Holt.	2,108	4	50.4 ^a							0.23		0.23	0.0	1	23	5
Auburn.	Nemaha.	1,051	18	54.8	+14.9	93	22 ⁺	21	15	50	T.	-1.88	T.	T.	0	26	4
Aurora.	Hamilton.	1,792	15	54.5	+16.5	91	23	18	10	50	0.05	-0.84	0.05	0.5	1	25	5
Beatrice.	Gage.	1,235	19	53.7	+14.6	88	22	24	7	48	T.	-1.35	T.	0	0	27	1
Beaver City.	Furnas.	2,147	19	54.9	+14.2	92	23	24	7 ⁺	50	0.00	-0.75	0.00	0.0	2	26	3
Belleview.	Sarpy.	1,310	28	54.7		90	22	26	10	45	0.00	-1.17	0.00	0.0	0	28	0
Benkelman.	Dundy.	2,963	13								0.04	-0.78	0.04	0.0	1	14	4
Bertrand.	Phelps.	2,515	2								0.00	-0.90	0.00	0.0	0	25	6
Blair.	Washington.	1,123	15	52.6	+15.3	89	22	26	8 ⁺	49	T.	-0.97	T.	0.0	0	25	6
Bloomfield.	Knox.	4														H. H. Hahn.	
Bradshaw.	York.	1,715	11								0.20	-0.78	0.20	2.0	1	29	1
Bridgeport.	Morrill.	3,658	14	47.9 ^a	+10.6	85 ^a	21 ⁺	20 ^a	27 ^a	55 ^a	0.80	-0.05	0.80	T.	1	25	5
Brokenbow.	Custer.	2,477	15								0.30		0.30	3.0	1		
Burge.	Cherry.	2,674	4	40.4		89	22	14	10	53	0.30		0.30	0.0	2	24	3
Cairo.	Hall.	1,951	1								0.30		0.30	0.0	1	24	3
Callaway.	Custer.	2,555	17	51.4 ^a	+14.8	90 ^a	23	19	7	55	0.31	-0.49	0.31	3.0	1	24	3
Cambridge.	Furnas.	2,258	3	53.4		92	23	23	10	56	T.	-0.64	0.16	1.0	1	24</td	



MONTHLY WEATHER REVIEW.

MARCH, 1910

TABLE 1.—Climatological data for March, 1910. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Total snowfall unmetted.	Number of rainy days, .10 inch or more.	Number of partly cloudy days.	Number of clear days.	Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Lowest.	Date.	Date.	Greatest daily range.	Total.									
Nebraska—Cont'd.																				
Enderslake.	Brown.	1																		
Ewing.	Holt.	1,898	18	50.7	+14.2	93	23	20	7	56	0.15	-1.06	0.15	1.5	1	6	1	sw.	G. W. Chappell.	
Fairbury.	Jefferson.	1,316	35	54.8	+13.7	93	23	24	7	50	0.00	-1.53	0.00	0.0	0	24	6	1	G. H. Benson.	
Fairmont.	Fillmore.	1,641	17	51.2	+13.7	87	22	24	7	51	0.21	-0.81	0.21	2.0	1	2	2	s.	W. F. Cramb.	
Fort Robinson.	Dawes.	3,764	26	48.2	+14.4	85	22	24	9	47	1.07	-0.12	0.45	3	25	0	6	sw.	Chi., Burl. & Quincy R. R.	
Franklin.	Franklin.	1,820	19	52.6	+14.0	90	23	18	31	57	0.00	-0.96	0.00	0.0	0	30	1	0	Post Hospital.	
Fremont.	Dodge.	1,203	30	52.2	+16.6	89	22	26	10	45	T.	-1.49	T.	T.	0	24	5	2	D. T. Shewmaker.	
Fullerton.	Nance.	1,629	8	52.4		91	22	16	10	59	0.60		0.35	3.5	2	26	9	2	Ernest Hahn.	
Geneva.	Fillmore.	1,633	20	54.2	+15.5	90	22	26	31	47	0.06	-0.92	0.06	0.5	1	25	5	1	Dr. F. W. Johnson.	
Genoa.	Nance.	1,584	35	52.6	+18.0	89	23	18	10	49	0.30	-0.89	0.27	3.0	2	24	6	1	F. M. Flory.	
Gordon.	Sheridan.	3,550	8	47.4 ^b		86 ^d	12	11	10	56 ^c	1.30	+0.63	0.80	13.0	2	26	9	1	F. W. Parsons.	
Gosper.	Gosper.																		G. F. Williams.	
Gothenburg.	Dawson.	2,557	16	52.3 ^b	+14.2	91	23	20	30	54 ^c	0.23	-0.56	0.23	2.3	1	25	5	1	E. H. Stoll.	
Grand Island.	Hall.	1,860	19	53.0	+16.0	90	23	22	8	54	0.03	-1.00	0.03	1.1	1	22	4	5	Dr. W. J. Bartholomew.	
Grant.	Perkins.	3,405	7	50.2 ^b		101	21	18	10	68	0.58		0.50	2	23	5	3	A. Barnes.		
Greeley.	Greeley.	2,121	15	51.8		96	22	19	7	51	0.90	+0.24	0.90	9.0	1	22	8	1	Cyrus Carver.	
Guiderock.	Webster.	1,646	10															W. E. Morgan.		
Haigler.	Dundy.	3,258	15															J. S. Marsh.		
Halsey ^b .	Thomas.	2,695	8	52.5		90	22	20	7	52	0.27		0.15	0.0	0	18	11	2	Chi., Burl. & Quincy R. R.	
Hartington.	Cedar.	1,309	19	51.4	+18.6	88	20 ^b	20	19	57	0.65	-1.27	0.65	0.0	1	25	1	9	U. S. Forest Service.	
Harvard.	Clay.	1,812	21	50.6	+14.4	87	23	22	31	47	0.02	-0.93	0.02	0.2	1	28	2	1	D. E. Ewing.	
Hastings.	Adams.	1,932	20	52.0	+14.6	90	23	26	31	47	0.10	-0.96	0.10	1.0	1	30	0	1	Dr. J. T. Fleming.	
Hayes Center.	Hayes.	17		53.1		96	21	23	7	56	0.09	-1.22	0.05	0.5	3	26	3	2	Chi., Burl. & Quincy R. R.	
Hays Springs.	Sheridan.	3,821	23	48.4	+16.4	84	22	21	17	10 ^b	50	1.80	+0.23	0.70	7.0	4	22	7	2	C. A. Ready.
Hebron.	Thayer.	1,458	25	53.5	+14.8	90	22	20	7	49	T.	-1.36	T.	T.	0				A. Kadlecik.	
Hemingford.	Boxbutte.	4,256	1															Dr. C. M. Easton.		
Hendley.	Furnas.	2,231	6															A. S. Enyeart.		
Hillside.	McPherson.	1	48.7			86	22	17	14	54	0.70		0.51	2.0	3	22	7	2	F. L. Jones.	
Holdrege.	Phelps.	2,324	18	54.0	+16.6	91	23	23	1	47	0.00	-0.95	0.00	0.0	0	24	1	6	Mrs. M. R. Lloyd.	
Hooper.	Dodge.	1,228	13	51.2	+14.3	90	22	24	10	45	T.	-0.95	T.	T.	0	21	6	4	Chi., Burl. & Quincy R. R.	
Imperial.	Chase.	3,278	20	51.4 ^b	+13.6	87	22	26	1	52	0.38	-0.96	0.26	0.5	2	14	12	5	W. Howard Heine.	
Kearney.	Buffalo.	2,146	20	52.1	+14.8	91	23	20	31	54	0.05	-0.89	0.05	0.5	1	20	4	1	Robt. Malcolm.	
Kimball.	Kimball.	4,697	21	47.0	+12.0	80	13	19	1	50	1.00	+0.04	1.00	0.0	1	24	6	1	N. C. Dunlap.	
Kirkwood.	Rock.	15	50.9	+17.6	92	12	23	7	52	0.50	-0.50	0.40	4.0	2	23	6	2	F. J. Bellow.		
Kowanda.	Deuell.	2																Mrs. C. Arter.		
Lexington.	Dawson.	2,385	21	51.8	+15.0	91	23	20	7	51	T.	-1.12	T.	T.	0	27	0	4	Geo. W. Hulse.	
Lincoln.	Lancaster.	1,189	31	53.4	+17.4	90	22	28	15	46	0.10	-1.23	0.10	1.0	1	19	8	4	Robt. Chadwick.	
Loup.	Sherman.	2,067	16	50.6	+14.3	90	23	18	5	53	0.90	+0.04	0.90	4.0	1	29	0	2	U. S. Weather Bureau.	
Loyal.	Custer.	2																E. S. Hayhurst.		
McCook.	Redwillow.	2,506	15	53.0 ^b	+13.8	91	22	20	8	58	0.63	-0.75	0.00	0.0	0	30	0	1	C. H. Cass.	
McCool Junction.	York.	1,575	12															C. G. Cogilizer.		
Madison.	Madison.	1,585	17	51.5	+16.5	87	21 ^b	24	10 ^b	54	T.	-0.94	T.	T.	0	25	3	3	L. L. Slagle.	
Marquette.	Hamilton.	1,830	31															Dr. F. A. Long.		
Mason City.	Minatare.	2,257	9															John Ellis.		
Minatare.	Scottsbluff.	3,825	1															J. A. Amberry.		
Minden.	Kearney.	2,169	33	52.2	+15.5	90	23	21	31	51	0.04	-1.31	0.04	0.30	1	21	7	1	Anthony Kennedy.	
Mitchell.	Scottsbluff.	2	46.6			83	22	15	30	51	0.52		0.50	5.0	2	20	10	1	Joel Hull.	
Monroe.	Platte.	1,525	13															U. S. Reclamation Service.		
Morrill.	Scottsbluff.	1																Wm. Webster.		
Nebraska City.	Otoe.	941	33	52.4 ^b		91 ^b	22	20	15	47	0.05	-1.41	0.05	0.5	1	22	6	3	Edwin K. Wieland.	
Norfolk.	Madison.	1,532	27	50.5	+17.0	92	22	20	7	54	T.	-0.92	T.	T.	0	27	3	1	Chi., Burl. & Quincy R. R.	
North Loup.	Valley.	1,961	22	51.2	+16.0	90	21 ^b	20	7	55	0.60	-0.34	0.60	6.0	1	21	8	12	Dr. P. H. Salter.	
North Platte.	Lincoln.	2,841	36	51.0	+15.7	86	22	22	1	49	0.19	-0.68	0.18	2.2	2	23	5	3	W. G. Rood.	
Oakdale.	Antelope.	1,722	23	49.2	+16.4	88	22	20	7	51	0.17	-0.75	0.15	1.0	2	21	8	12	U. S. Weather Bureau.	
Odell.	Gage.	1,278	16															G. S. Clingman.		
Omaha.	Douglas.	1,103	40	54.5	+18.5	88	22	29	10	41	T.	-1.39	T.	T.	0	20	7	4	Chi., Burl. & Quincy R. R.	
Ord.	Valley.	2,062	16															U. S. Weather Bureau.		
Orleans.	Harlan.	1,993	2															James Milford.		
Osceola.	Polk.	1,044	12	52.0 ^b		88 ^b	22 ^b	20 ^b	11	47 ^b	0.20	-0.77	0.20	2.0	1	22	6	3	James McGeachin.	
Palisade.	Hitchcock.	1																G. T. Ray.		
Palmyra ^b .	Hitchcock.																	E. E. Young.		
Pawnee City.	Otoe.	1,175	15	54.0		94	22	18	15	53	T.	-1.02	T.	T.	0	28	1	2	Thomas Coles.	
Plymouth.	Jefferson.	1,419	6	53.4		89	22	25	1	47		-0.49	0.31	0.00	0	24	14	14	Frank A. Barton.	
Purdum.	Blaine.	10	50.6			89	22	19	7	50	0.65	-0.46	0.60	6.4	3	23	5	3	John Ruppel.	
Ravenna.	Buffalo.	2,028	33	51.8	+15.3	91	23	20	7	53	0.19	-1.05	0.19	1.1	2	22	8	1	T. C. Jackson.	
Redcloud.	Webster.	1,087	18	53.7	+13.2	91	22 ^b	18	31	58	T.	-0.71	T.	T.	0	29	1	1	Erastus Smith.	
St. Libery.	Howard.	1,887	15															Chas. S. Ludlow.		
St. Paul.	Howard.	1,706	16	52.6	+14.5	89	22	20	10	61	0.19	-0.62	0.30	3.0	1	29	1	1	W. I. Meader.	
Santee.	Knox.	22	52.8	+18.4	90	22	22	14	50	0.28	-0.86	0.27	0.1	2	22	4	5	Paul Anderson.		
Sargent.	Custer.	13				91	22	22	7	48	T.	-0.81	T.	T.	0	21	9	1	E. G. Kendall.	
Schuyler.	Colfax.	1,357	17	52.4														Jas. L. Ferguson.		
Scottsbluff.	Scottsbluff.	3,888	4	49.4		85	22	17	10	52	0.33	-0.19	0.26	4	1	24	8	1	John T. Sumner.	
Seward.	Seward.	1,435	20	52.0 ^b	+13.3	90 ^b	21	22	6	47 ^b	0.05	-1.12	0.05	0						

TABLE 1.—Climatological data for March, 1910. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.		Highest.	Date.	Lowest.	Date.	Greatest daily range.		Total.	Departure from the normal.		Number of rainy days, 0.1 inch or more.		
					Highest.	Date.					Greatest daily range.	Total.		Departure from the normal.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
Iowa.																		
Afton.	Union.	1,212	16	51.8	+15.3	84	23 ^a	21	10 ^b	38	T.	- 2.10	T.	0.0	0	23	5	3 sw.
Allerton.	Wayne.	1,513	8	51.9	+13.7	85	23	21	15	38	0.16	- 2.29	0.13	0.0	2	28	2	1 sw.
Alton.	Sioux.	1,305	5	48.5	-	86	23	22	67	50	0.02	-	0.02	0.0	1	24	3	4 nw.
Atlantic.	Cass.	1,184	19	51.3	+16.6	87	26	21	15	43	T.	- 1.75	T.	0.0	0	24	4	3 sw.
Audubon.	Audubon.	1,301	18	50.2	+16.0	83	23	24	10 ^b	39	0.00	- 1.62	0.00	0.0	2	27	1	3 sw.
Bedford.	Taylor.	1,200	10	52.2	+15.5	90	22	17	10	47	0.05	- 2.27	0.04	0.0	2	27	1	1 sw.
Centerville.	Appanoose.	1,042	15	50.9	+14.1	80	23 ^a	19	15	40	T.	- 1.08	T.	0.0	0	28	0	1 sw.
Chariton.	Lucas.	1,009	20	50.8	+14.7	92	23	21	15	51	0.00	- 1.86	0.00	0.0	0	26	5	3 ne.
Clarinda.	Page.	1,117	18	49.4	+13.0	84 ^a	23	20 ^a	11	40 ^a	T.	- 1.74	T.	0.0	0	26	3	2 sw.
Cornings.	Adams.	1,101	17	51.0	+13.7	84 ^a	23	22	10	39	0.34	- 1.79	0.33	0.0	2	27	1	1 sw.
Corydon.	Wayne.	1,312	5	49.6	-	85	23	19	15	43	0.04	-	0.04	0.0	1	28	1	2 nw.
Creston.	Union.	1,000	10	50.0	-	85	23	20	15	43	0.04	-	0.04	0.0	0	27	1	1 sw.
Cumberland.	Cass.	1,180	16	50.0	+16.3	86	23	20	10	46	T.	- 1.51	T.	0.0	0	25	1	5 s.
Denison.	Crawford.	1,236	5	51.2	-	87	26	21	11	45	T.	-	T.	0.0	0	27	4	0 sw.
Elliott.	Montgomery.	1,356	17	51.0	+16.5	85	23	21	10	39	T.	- 2.08	T.	0.0	0	27	4	0 sw.
Greenfield.	Adir.	1,113	5	48.2	-	84	23 ^a	20	10 ^b	45	0.00	-	0.00	0.0	0	27	3	1 sw.
Hancock.	Pottawattamie.	1,192	11	50.0	+14.7	86	23	20	15	45	T.	- 1.48	T.	0.0	0	20	6	5 w.
Harlan.	Shelby.	1,474	6	51.5	+15.8	85	23 ^a	22	10	39	T.	- 1.78	T.	0.0	0	20	10	4 nw.
Hopeville.	Clarke.	1,266	3	51.3	-	84	23	21	21	40	0.03	-	0.03	0.0	0	27	0	3 s.
Inwood.	Lyon.	1,224	14	48.8	+15.8	84	23	20	14	50	0.02	- 1.47	0.02	0.0	1	28	0	3 s.
Lamoni.	Decatur.	1,256	10	48.2	+17.5	84	23	20	14	50	0.02	- 1.54	0.04	0.0	2	22	7	2 nw.
Larrabee.	Cherokee.	1,224	15	51.6	+15.3	84	23 ^a	21	10	39	0.05	- 1.70	0.05	0.0	1	28	1	1 s.
Le Mars.	Taylor.	1,200	12	51.8	+13.8	84	23	22	10	36	T.	- 2.76	T.	0.0	0	24	5	2 s.
Leon.	Harrison.	1,200	5	52.3	-	90	19	19	14	47	0.00	-	0.00	0.0	0	24	4	3 sw.
Little Sioux.	do.	928	43	51.4	+16.8	87	25	21	57	57	T.	- 1.81	T.	0.0	0	21	10	0 nw.
Logan.	Cass.	1,051	4	48.6	-	84	23 ^a	16	15	46	T.	-	T.	0.0	0	25	3	3 sw.
Masen.	Ringgold.	1,236	17	53.6	+16.6	88	22	23	10	42	0.05	- 2.01	0.05	0.0	1	24	3	4 sw.
Mount Ayr.	Sac.	1,356	13	50.4	+15.6	86	23	23	10	46	0.00	- 1.55	0.00	0.0	0	27	3	1 se.
Odebold.	Monona.	1,051	10	52.2	+14.7	87	23	23	10	50	T.	- 1.37	T.	0.0	0	27	4	0 se.
Pacific Junctions.	Mills.	900	11	50.4	+13.3	87	23	20	10	47	T.	- 1.35	T.	0.0	0	20	11	0 s.
Rock Rapids.	Lyon.	1,353	11	45.6	+14.0	85	23	10	1	50	0.00	- 1.35	0.00	0.0	0	23	2	6 s.
Sheldons.	O'Brien.	1,422	10	48.4	+17.0	86	23	21	10	49	0.04	- 1.39	0.02	0.0	2	24	7	0 s.
Sibley.	Osceola.	1,212	17	45.7	+15.8	85	23	22	8 ^a	46	0.04	- 1.42	0.04	0.0	1	18	12	1 sw.
Sioux City.	Sioux.	1,188	9	48.6	+15.4	84	23	23	14	41	0.02	- 1.50	0.02	0.0	1	23	1	7 s.
Sioux City.	Woodbury.	1,135	21	50.8	+18.0	88	23	26	10	42	0.03	- 1.23	0.03	0.0	1	15	8	8 s.
Thurman.	Fremont.	1,135	13	51.4	+13.6	88	22	20	10	48	T.	- 1.66	T.	0.0	0	22	9	0 nw.
Washita.	Cherokee.	1,157	12	47.8	-	86	23	17	15	55	T.	- 0.96	T.	0.0	0	24	6	1 s.
Woodburn.	Clarke.	961	11	49.8	-	85	23	15	15	51	T.	- 2.17	T.	0.0	0	25	4	2 sw.
Kansas.																		
Abilene.	Dickinson.	1,157	15	52	+15.0	93	22	24	7	54	0.01	- 1.61	T.	T.	0	17	13	1 s.
Agricultural College.	Riley.	1,109	52	56.0	+15.0	93	22	24	7	54	0.01	- 1.36	0.01	0.0	1	24	6	1 s.
Alton.	Osborne.	1,651	8	54.4	-	93	23	22	31	58	T.	- 1.13	T.	0.0	0	26	3	2 s.
Atchison.	Atchison.	973	19	57.2	+16.7	93	23	25	10	44	T.	- 2.22	T.	T.	0	26	3	2 s.
Baker.	Brown.	1,182	10	54.2	-	90	23	17	1	51	T.	-	T.	0	0	12	1	18 s.
Beloit.	Mitchell.	1,383	15	53.6	-	89	22 ^a	20	7	59	0.04	- 0.79	0.00	0.0	0	25	0	6 se.
Blakeman.	Rawlins.	2,894	13	51.2	-	89	22 ^a	20	7	59	0.04	- 0.81	0.04	0.0	1	25	6	0 nw.
Blue Rapids.	Marshall.	1,105	4	53.6	-	91	22	21 ^a	15	53 ^a	T.	-	T.	0	0	25	5	1 sw.
Centralia.	Nemaha.	1,256	1	53.6	-	92	25	22	15	51	0.00	-	0.00	0.0	0	25	4	2 s.
Chapman.	Dickinson.	1,123	6	55.9	-	92	25	24	15	55	0.00	-	0.00	0.0	0	20	4	7 s.
Clay Center.	Clay.	1,203	9	55.8	-	92	22 ^a	24	15	55	0.13	- 0.58	0.13	0.0	1	27	4	0 sw.
Colby.	Thomas.	3,138	19	53.6	+14.5	90	19	18	10	55	0.13	- 0.58	0.13	0.0	0	18	13	0 sw.
Concordia.	Cloud.	1,394	20	55.6	+14.9	89	23	26	10	49	T.	- 1.48	T.	T.	0	18	13	0 sw.
Densmore.	Norton.	2,200	1	53.6	-	92	22 ^a	19	10	56	0.00	-	0.00	0.0	0	26	5	1 sw.
Dresden.	Decatur.	2,731	16	54.1	+15.1	91	23	14	14	53	T.	- 0.82	T.	0.0	0	24	6	1 sw.
Ellsworth.	Ellsworth.	1,537	6	55.8	-	94	24	18	10	60	0.08	- 0.82	0.08	0.0	1	20	11	0 s.
Enterprise.	Dickinson.	1,144	8	50.5 ^a	-	93 ^a	25	22 ^a	8 ^a	60 ^a	0.00	- 1.61	0.00	0.0	0	21 ^a	6 ^a	3 s.
Eskridge.	Wabaunsee.	1,412	4	57.9	-	91	22	26	10	47	T.	-	T.	0.0	0	23	7	1 s.
Farnsworth.	Lane.	2,850	9	54.4	-	91	22 ^a	16	10	61	0.00	-	0.00	0.0	0	19	12	0 sw.
Ft. Scott.	Bourbon.	857	35	58.8	+12.6	92	22	23	15	44	0.57	- 1.86	0.37	T.	0	29	0	2 sw.
Frankfort.	Marshall.	1,146	16	53.9	+12.7	92	22	20	15	55	T.	- 2.11	T.	T.	0	24	6	1 sw.
Garnett.	Anderson.	950	4	56.9	-	87	24	25	10	44	0.35	-	0.20	1.8	3	18	12	1 sw.
Goodland.	Sherman.	3,687	3	54.7	-	87	22	25	10	50	0.00	-	0.00	0.0	0	25	3	3 s.
Gove.	Gove.	2,750	21	53.4	+14.3	89	23	24	10 ^b	50	0.00	- 0.75	0.00	0.0	0	17	12	2 sw.
Hanover.	Washington.	1,225	13	55.6	-	92	22	23	7	53	0.00	- 1.43	0.00	0.0	0	29	0	2 s.
Harrison.	Jewell.	1,804	9	53.0	-	90	22 ^a	19	31	54	T.	-	T.	0	0	29	2	0 s.
Hays.	Ellis.	2,000	42	53.6	+12.3	92	25	18	10	56	0.03	- 1.02	0.03	0.0	1	20	11	0 se.
Hill City.	Graham.	2,134	2	54.3	-	92	24	15	10	58	0.00	-	0.00	0.0	0	28	3	0 nw.
Horton.	Brown.	1,188	21	54.9	+15.4	90	22	25	10	45	T.	- 1.95	T.	T.	0	28	2	1 sw.
Hoxie.	Sheridan.	2,700	12	54.2	+14.8	90	23	19	10	51	0.00	- 0.82	0.00	0.0	0	28	3	0 sw.
Jewell.	Jewell.	1,540	5	54.8	-	91</td												

TABLE 1.—*Climatological data for March, 1910. District No. 6—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelting.	Number of rainy days, .10 inch or more.	Number of clear days.	Sky.	Precipitation wind direction.		
Kansas—Cont'd.																				
Wamego.	Trego.	2,456	27	55.4	+15.2	89	23†	19	10	48	0.00	-0.78	0.00	0.0	0	31	0	0	s.	
Wallace.	Wallace.	3,303	40	51.9	.....	87	22†	12	10	57	0.00	-0.52	0.00	0.0	0	9	22	0	sw.
Wamego.	Pottawatomie.	1,092	17	.....	.....	.....	.....	.....	.....	.....	T.	-1.59	T.	T.	0	24	6	1	sw.
Missouri.	Bates.	850	1	57.6	+13.7	91	22	23	15	42	0.41	-1.64	0.30	0.3	2	23	5	3	sw.	
Amoret.	Appleton City.	853	20	55.8	+12.0	90	22	24	15	45	0.33	-2.53	0.45	0.5	3	25	3	3	s.	
Arlington.	Phelps.	605	20	.....	.....	.....	.....	.....	.....	.....	0.30	-2.67	0.30	0.0	1	23	5	4	sw.
Arthur.	Vernon.	767	18	56.8	+13.0	84	23†	22	15	43	0.50	-2.49	0.42	0.0	2	22	7	2	sw.	
Avalon.	Livingston.	25	15	55.9	+14.1	91	22	24	15	44	0.65	-2.60	0.65	0.0	1	27	14	14	sw.	
Bagnell.	Miller.	504	15	.....	.....	.....	.....	.....	.....	.....	0.50	-2.83	0.50	0.0	1	21	7	3	w.
Bethany.	Harrison.	881	20	51.8	+13.1	86	22†	20	15	43	T.	-1.42	T.	T.	0	29	0	0	nw.	
Bolivar.	Polk.	1,070	22	57.5	+11.2	90	22	20	15	44	1.86	-1.21	1.20	0.0	5	26	3	2	sw.	
Boonville.	Cooper.	600	34	.....	.....	.....	.....	.....	.....	.....	0.64	-2.50	0.54	T.	2	20	4	7	sw.
Brunswick.	Chariton.	652	32	55.6	+14.6	92	22	22	15	45†	0.51	-1.96	0.47	0.0	1	19	7	5	sw.	
Clinton.	Henry.	800	24	58.4	.....	92	22	25	15	40	0.71	-1.93	0.38	0.0	5	28	2	1	s.
Columbia.	Boone.	754	21	55.8	+14.4	90	22	20	15	43	0.64	-2.39	0.39	T.	5	27	2	2	sw.	
Conception.	Nodaway.	982	26	54.8	+16.5	90	22	24	10	40	0.04	-1.66	0.04	T.	1	24	5	2	sw.	
Darkville.	Randolph.	828	19	54.0	+14.0	89	22†	23	15	37	0.67	-2.05	0.47	0.0	2	21	6	1	s.w.	
El Dorado Springs.	Cedar.	759	5	58.4	.....	91	22	24	15	48	1.15	-1.00	0.85	T.	2	22	8	1	sw.
Fairport.	De Kalb.	920	16	.....	.....	.....	.....	.....	.....	.....	0.02	-2.12	0.02	0.0	1	32	5	4	sw.
Fayette.	Howard.	725	27	56.4	+14.4	92	22	21	15	41	0.56	-2.03	0.53	0.5	2	29	0	3	sw.	
Fulton.	Callaway.	818	19	55.2	+9.9	91	22	19	15	45	0.47	-2.66	0.32	0.2	3	11	19	1	.....
Gallatin.	Davies.	803	18	.....	.....	.....	.....	.....	.....	.....	0.52	-2.01	0.52	0.0	1	16	12	3	se.
Glasgow.	Howard.	618	33	.....	.....	.....	.....	.....	.....	.....	0.52	-2.18	0.09	0.0	1	28	0	3	s.
Grant City.	Grant City.	1,130	18	53.8	.....	90	22	23	15	45	0.69	-2.18	0.09	0.0	1	30	0	3	sw.
Harrisonville.	Cass.	912	33	54.4	+13.9	91	22	23	16	46	0.62	-1.48	0.25	1.0	3	18	4	9	sw.	
Hazelhurst.	Livingston.	17	.....	.....	.....	.....	.....	.....	.....	.....	0.05	-2.14	0.05	0.0	1	27	4	0	sw.
Hermann.	Gasconade.	482	36	56.6	+9.6	88	22	16	15	45	0.34	-2.80	0.30	0.0	2	15	11	5	s.	
Houston.	Texas.	1,280	18	56.6	+9.6	88	22	16	15	45	1.71	-1.22	0.95	2.0	4	17	13	1	s.	
Huntsville.	Randolph.	790	8	.....	.....	.....	.....	.....	.....	.....	0.65	-0.90	0.65	0.0	1	26	3	2	sw.
Jefferson City.	Cole.	928	29	56.2	+13.3	91	22	22	15	45†	0.51	-2.87	0.17	0.0	3	26	3	2	sw.	
Kansas City.	Jackson.	963	21	58.2	+17.4	90	22	29	10	36	0.68	-2.74	0.65	T.	2	26	3	2	sw.	
Kidder.	Caldwell.	1,017	20	55.6	+15.2	89	22	25	15	46	0.02	-2.53	0.02	0.0	1	27	4	0	sw.	
Lamonte.	Pettis.	863	22	55.3	.....	89	22	20	15	42	0.80	-0.60	0.32	0.5	5	23	8	0	sw.
Lebanon.	Laclede.	1,265	22	57.4	+11.8	88	22	22	15	41	1.51	-2.50	0.71	1.0	4	25	4	12	w.	
Lexington.	Lafayette.	813	27	57.6	+15.1	92	22	23	15	46	0.98	-2.17	0.08	0.0	1	25	2	4	s.	
Liberty.	Clay.	864	22	58.0	.....	91	22	23	15	45†	T.	-2.48	T.	T.	0	25	3	2	sw.
Lockwood.	Dade.	1,088	16	58.6	.....	85	23†	27	15	34	1.69	-0.41	1.19	T.	2	23	3	5	sw.
Marshall.	Saline.	779	20	55.8	+13.8	92	21	23	15	42	0.60	-2.08	0.45	T.	2	28	0	2	sw.	
Marshfield.	Webster.	1,492	2	59.1	.....	85	22†	28	9	40	0.92	.....	0.72	T.	2	15	2	11	sw.
Maryville.	Nodaway.	1,160	20	52.7	+16.1	92	22	23	11†	48	0.29	-1.85	0.21	T.	2	27	2	2	s.	
Mount Vernon.	Lawrence.	1,480	34	.....	.....	.....	.....	.....	.....	.....	0.74	-2.30	0.42	T.	3	29	0	2	sw.
Nevada.	Vernon.	860	16	.....	.....	.....	.....	.....	.....	.....	0.74	-2.30	0.42	T.	3	29	0	2	sw.
New Palestine.	Cooper.	795	18	.....	.....	.....	.....	.....	.....	.....	0.74	-2.30	0.42	T.	3	29	0	2	sw.
Oregon.	Holt.	1,113	55	53.8	+15.9	89	22	23	15	44	T.	-2.09	T.	T.	0	27	1	3	sw.	
Osceola.	St. Clair.	738	11	.....	.....	.....	.....	.....	.....	.....	1.20	-1.08	0.95	0.0	3	29	1	1	sw.
Rolla.	Phelps.	1,092	29	58.1	.....	87	22	22	15	39	0.30	-3.38	0.12	0.5	4	24	5	2	sw.
St. Charles.	St. Charles.	614	32	57.0	+13.6	91	22	23	15	42	0.13	-3.12	0.09	0.0	2	20	9	2	s.	
St. Joseph.	Buchanan.	825	30	56.4	.....	89	22	26	10	42	T.	-2.01	T.	T.	0	24	5	2	sw.
St. Louis.	Sublett.	567	39	57.5	+14.0	87	22	29	15	37	0.14	-3.29	0.10	0.0	3	22	7	2	sw.	
Adair.	Trenton.	1,000	30	52.6	.....	85	23	19	15	45	0.10	-2.78	0.10	0.0	1	22	8	1	se.
Grundy.	Unionville.	812	15	53.1	+12.7	84	22†	23	15	41	.....	.....	.....	.....	2	22	5	5	se.
Putnam.	Johnson.	1,072	17	51.0	+13.1	86	23	20	15†	43	0.10	-2.50	0.06	T.	2	22	5	4	s.	
Johnson.	Warren.	883	32	58.3	+15.3	92	22	24	15	38	0.29	-2.10	0.15	1.0	3	28	1	2	sw.	
Warren.	Benton.	865	20	54.8	+13.3	88	22†	32	15	53	0.30	-3.62	0.18	0.0	3	16	6	9	s.	
Warsaw.	Hickory.	700	6	50.6	.....	96	23	20	15	50	0.91	-6.72	0.80	T.	3	26	4	1	sw.
Wheatland.	.....	920	18	.....	.....	.....	.....	.....	.....	1.34	-2.09	0.84	1.0	2	25	5	1	s.	

*, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

|| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

|| Estimated by observer.

¶ Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

A. S. Peacock.
M. T. Griggs.
M. L. Stone.
Darby Fruit Farm.
T. C. Brown.
P. W. Andres.
J. T. Armstrong.
F. G. Ashbaugh.
W. S. Brockman.
W. H. Skinner.
E. Waltz.
C. Randecker.
Louis Benecke.
Dr. G. W. Menees.
U. S. Weather Bureau.
Fr. Adholm Hess.
W. H. Broaddus.
Samuel Graham.
J. W. Lincoln.
Prof. T. Berry Smith.
Dr. J. L. Brenneman.
Dr. W. P. Young.
J. J. Shaughnessy.
W. H. Campbell.
A. J. Sharp.
W. H. Baker.
C. T. Maushund.
E. Dempsey.
F. H. Hammatt.
Miss Emma Swift.
U. S. Weather Bureau.
J. F. Sharp.
J. R. Wade.
M. W. Snel.
J. W. Keithley.
W. C. Wilmett.
C. S. Crow.
Dr. W. H. Black.
Dr. J. P. Keller.
J. R. Brink.
Dr. O. H. Brown.
C. Jewell.
A. I. Zeigle.
Tom Curry.
W. E. Matthews.
Prof. P. J. Wilkins.
L. C. Saeger.
U. S. Weather Bureau.
U. S. Weather Bureau.
Lewin Spriggs.
J. H. Flesher.
Geo. W. Davis.
A. F. Smithson.
Dr. John H. Frick.
Dr. J. R. Smith.
Mrs. S. A. Jackson.

TABLE 2.—*Daily precipitation for March, 1910. District No. 6, Missouri Valley.*

Stations.	River basins.	Day of month.																														Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>Wyoming.</i>																																		
Arapahoe.	Big Horn.																																	0.37
Barnum.	Powder.																																0.11	
Basin.	Big Horn.																																	
Bennett.	North Platte.																																	
Big Creek.	do.	T.																															0.41	
Casper.	do.																																	
Cheyenne.	South Platte.																																1.45	
Chugwater.	North Platte.																																0.60	
Clark.	Clark's Fork.	T.																															0.41	
Cody.	Big Horn.																																0.19	
Crystal Lake.	South Platte.																																	
Dome Lake.	Tongue.																																0.60	
Douglass.	North Platte.																																	
Dubois.	Big Horn.	T.																															0.18	
Eaton's Ranch.	Tongue.																																0.40	
Echeta.	Powder.																																0.21	
Elk Mountain.	North Platte.																																0.34	
Encampment.	do.																																0.35	
Ervay.	do.																																0.42	
Fort Laramie.	do.																																0.14	
Fox Creek Station.	do.																																	
Gillette.	Powder.																																0.10	
Granite Canyon.	South Platte.																																	
Hunters Station.	Powder.																																0.32	
Hyattville.	Big Horn.	T.																																
Kirtley.	Niobrara.																																0.47	
Kirwin.	Big Horn.																																	
Knowles.	Belle Fourche.																																1.03	
Lander.	Big Horn.	T.																															0.59	
Laramie.	North Platte.																																0.33	
Leo.	do.																																0.26	
Lolobama Ranch.	Big Horn.																																	
Lovell.	do.																																0.28	
Lusk.	Niobrara.																																0.90	
Luther.	South Platte.																																1.25	
Manville.	Niobrara.																																1.13	
Moorcroft.	Belle Fourche.																																0.10	
Moore.	North Platte.																																0.03	
Newcastle.	North Platte.																																0.65	
Pathfinder.	S. Fork, Cheyenne.																																	0.33
Phillips.	North Platte.																																0.80	
Pine Bluff.	South Platte.																																0.05	
Powell.	Big Horn.																																0.16	
Rawlins.	North Platte.																																	
Riverton.	Big Horn.																																	
Saratoga.	North Platte.																																0.10	
Sheridan.	Tongue.	T.																															0.36	
Shoshone Dam.	Big Horn.																																	
Soldiers' Home.	Powder.																																0.08	
South Pass City.	North Platte.																																0.89	
Thermopolis.	Big Horn.																																0.50	
Upton.	Cheyenne.	.09																															0.25	
Valley.	Big Horn.																																0.04	
Verona.	Tongue.																																	
Wiley.	Big Horn.																																0.45	
Wyncote.	North Platte.																																0.63	
Yellowstone Park.	Yellowstone.	.04 .07 .02																														0.82		
(1) Fountain Hotel.	Madison.																																1.12	
(2) Grand Canyon.	Yellowstone.																																0.93	
(3) Lake Hotel.	do.																																0.80	
(4) Norris Basin.	do.																																1.05	
(5) Riverside.	Madison.																																0.05	
(6) Soda Butte.	Yellowstone.																																0.50	
(7) Sylvan Pass.	Big Horn.	.22																															1.05	
(8) Thumb.	Yellowstone.	.15																															0.06	
(9) Tower Falls.	do.																																	
(10) Upper Gey. Basin.	Madison.		</td																															

TABLE 2.—*Daily precipitation for March, 1910. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for March, 1910. District No. 6—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations, March, 1910. District No. 6, Missouri Valley.

Date.	Wyoming.												Montana.												Lewiston.			Miss.								
	Basin.			Cheyenne.			Fort Laramie.			Lander.			Newcastle.			Pathfinder.			Sheridan.			Yellowstone Park.			Billings.			Dillon.			Havre.			Helena.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
1...	44	28	56	38	70	19	57	22	55	26	50	32	57	27	43	28	57	30	57	27	46	13	52	27	42	21	44	2								
2...	48	31	57	43	71	31	58	29	60	30	53	36	63	35	43	35	65	37	58	31	51	40	57	41	53	31	51	33								
3...	50	38	57	41	67	41	60	28	61	31	54	36	54	36	47	37	60	36	55	39	55	36	55	36	55	36	49	26								
4...	50	29	63	37	70	38	61	28	64	31	57	38	60	37	47	47	67	31	51	29	53	37	57	33	58	26										
5...	54	29	66	33	74	30	57	33	66	34	57	38	64	37	44	44	64	30	40	27	48	28	49	28	51	21	50	26								
6...	58	24	50	21	50	23	51	24	53	24	54	22	45	22	46	22	48	22	54	20	40	26	47	20	37	17	39	24								
7...	48	25	64	28	65	20	61	25	60	28	57	33	59	39	49	39	50	37	53	30	51	27	52	30	51	30	47	26								
8...	56	26	49	26	66	21	51	26	62	31	55	33	48	33	39	39	50	35	50	31	44	31	50	27	40	27										
9...	52	27	38	26	47	21	44	26	40	18	49	32	46	32	42	42	54	32	47	33	53	25	49	32	50	30	48	28								
10...	48	24	54	19	60	13	53	20	51	24	49	24	57	24	56	24	46	24	48	23	52	31	56	39	55	26	55	30								
11...	53	24	59	25	71	21	61	24	65	28	55	28	68	25	51	51	66	26	50	31	63	30	67	37	62	26										
12...	60	26	63	31	74	27	64	28	66	30	59	36	61	35	57	57	64	33	67	37	64	35	63	31	64	35										
13...	68	26	59	35	69	30	59	25	67	32	60	27	61	24	55	56	70	24	55	23	58	34	60	33	54	29										
14...	60	25	55	24	67	27	69	27	61	30	61	24	55	55	61	61	74	24	55	23	63	32	63	31	67	33										
15...	61	24	58	26	70	22	60	25	66	32	61	24	55	55	61	54	71	24	55	23	62	31	60	38	67	29										
16...	61	28	58	26	66	21	63	26	67	31	59	30	64	26	56	26	65	26	64	30	63	33	69	27	64	29										
17...	57	27	59	32	63	36	65	25	65	34	61	27	67	26	55	26	60	26	60	23	58	28	61	32	63	21	71	25								
18...	65	30	64	34	70	24	68	31	68	32	65	30	68	32	57	57	73	32	60	29	65	39	66	36	66	30	64	35								
19...	68	31	69	32	73	26	71	31	75	35	67	30	74	31	61	61	82	32	63	30	63	40	67	33	67	29	75	29								
20...	75	33	71	35	75	29	71	31	78	36	69	44	73	32	62	62	82	32	63	31	77	40	71	38	77	36	75	34								
21...	70	38	72	39	79	44	71	37	80	40	69	39	73	42	60	60	88	38	70	40	58	27	71	40	64	47	73	37	77	41						
22...	77	41	73	37	72	41	71	36	82	42	71	40	78	40	54	37	88	38	74	31	75	45	75	45	74	40	80	39								
23...	78	40	60	40	73	36	55	33	65	36	68	38	59	31	41	41	88	38	70	39	54	41	52	34	57	33	71	43								
24...	58	29	63	29	74	37	55	26	65	32	58	34	58	30	35	35	88	38	70	36	51	32	51	32	50	22	55	32								
25...	60	26	59	33	70	33	55	25	68	36	63	32	59	24	50	50	88	38	70	37	56	31	54	33	54	33	57	29								
Mns	59.4	28.8	58.5	30.4	66.4	29.2	58.6	27.5	63.3	31.1	58.0	31.2	60.9	29.5	48.6	27.4	64.2	30.0	56.0	27.3	58.4	31.0	56.5	33.4	58.6	28.5	58.3	29.3								

Date.	Montana.						North Dakota.						South Dakota.						Rapid City.						Lemmon.			Pierre.						
	Miles City.			Poplar.			Berthold Agency.			Bismarck.			Dickinson.			Jamestown.			Williston.			Aberdeen.			Chamberlain.			Huron.			Kadoka.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1...	43	24	30	0	34	2	35	8	34	8	36	9	32	38	15	48	26	34	24	33	15	37	29	61	28									
2...	60	34	49	14	47	11	45	18	46	21	39	14	49	49	45	15	54	20	47	24	44	24	52	31	61	37								
3...	59	36	50	26	53	25	50	34	48	27	43	27	50	35	45	27	57	34	46	30	55	33	47	33	52	35	66	36						
4...	62	32	52	26	54	28	52	32	50	30	48	30	52	33	49	31	56	28	43	30	57	33	47	31	53	33	61	36						
5...	66	36	50	30	53	28	54	27	45	30	46	24	53	28	52	26	45	23	47	30	55	33	49	33	53	33	60	30						
6...	42	30	49	23	48	29	38	25	37	18	41	21	35	19	40	23	39	30	53	27	49	24	55	33	63	32	72	32						
7...	26	26	42	11	41	12	36	13	42	10	35	13	42	15	33	26	45	20	36	23	45	24	52	25	59	24	74	24						
8...	46	28	43	27	41	20	40	22	37	23	36	18	36	23	33	23	43	26	40	25	48	23	58	22	41	31	47	29						
9...	42	30	41	12	41	11	36	16	38	14	32	19	42	14	35	25	44	20	36	27	45	24	51	23	55	23	64	24						
10...	58	30	52	28	53	28	54	28	46	23	48	23	50	30	54	25	55	27	50	28	46	20	57	23	57	23	65	23						
11...	66	29	53	22	55	21	47	33	50																									

TABLE 3.—Maximum and minimum temperatures at selected stations, March, 1910. District No. 6—Continued.

Date.	South Dakota.						Colorado.						Nebraska.												Oakdale.		Omaha.									
	Sioux Falls.			Watertown.			Yankton.			Denver.			Wray.			Alma.			Bridgeport.			Grand Island.			Hay Springs.			Hebron.			Lincoln.			North Platte.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.			
1.	42	21	37	20	44	30	64	39	72	21	62	25	65	25	56	27	60	23	56	31	52	32	69	22	47	29	48	33	33	33	33					
2.	46	26	44	23	61	34	65	40	73	21	74	29	70	20	70	32	65	35	69	32	70	34	70	32	64	30	68	36	36	36	36					
3.	55	33	51	31	58	35	63	36	72	30	72	29	74	24	71	34	65	35	70	30	68	33	68	32	66	32	64	42	42	42	42					
4.	58	32	52	31	61	34	73	39	75	30	79	29	72	26	74	35	75	32	73	31	66	31	70	36	66	32	70	36	66	42	42					
5.	63	30	57	27	68	30	76	40	84	26	76	31	81	31	74	30	72	32	77	32	74	32	79	30	67	26	72	34	34	34	34					
6.	50	28	49	30	51	35	58	35	60	30	53	35	58	20	53	34	65	21	51	37	53	33	59	29	49	23	60	38	38	38	38					
7.	47	25	38	23	46	28	71	29	76	24	68	21	62	22	64	27	63	24	62	24	55	29	65	26	52	20	53	32	52	31	52					
8.	47	28	39	21	47	28	61	38	60	25	59	32	59	24	52	32	55	23	58	31	55	30	58	25	50	25	52	31	52	31	52					
9.	40	28	39	20	39	28	46	31	43	30	50	32	45	23	38	32	48	25	41	32	37	37	37	30	35	26	39	33	33	33	33					
10.	42	30	49	27	52	28	60	22	62	21	61	28	65	22	58	26	53	17	53	25	50	20	60	24	47	25	47	29	47	29	47					
11.	43	32	44	32	44	33	64	28	66	28	60	29	73	20	56	30	64	32	56	30	52	35	65	27	49	31	46	37	46	37	46					
12.	68	30	64	31	73	32	70	36	75	28	80	28	65	25	77	32	65	32	78	29	76	30	74	28	72	30	73	32	73	32	73					
13.	59	33	47	33	53	34	68	36	73	28	70	31	62	23	63	33	65	27	68	35	62	39	66	30	56	33	56	39	56	39	56					
14.	59	24	45	22	46	26	58	33	60	32	55	25	70	26	51	33	61	28	52	34	49	31	58	25	50	27	45	30	50	30	50					
15.	68	28	62	25	66	30	61	32	65	26	60	25	67	27	68	29	65	28	65	26	64	28	67	27	65	25	61	31	61	31	61					
16.	70	35	55	26	60	31	64	33	68	27	70	29	67	32	66	32	67	30	67	30	62	32	63	29	62	30	58	38	58	38	58					
17.	70	32	66	28	71	33	63	38	69	29	78	23	74	32	61	32	61	30	73	33	70	35	70	23	72	39	73	39	73	47						
18.	74	40	73	35	75	42	68	38	68	29	75	31	70	28	75	38	73	35	76	42	74	43	76	29	74	35	73	47	73	47						
19.	74	36	70	32	74	43	74	38	79	32	82	35	75	39	80	35	78	35	78	37	80	34	78	34	78	39	78	46	78	46						
20.	72	34	65	37	70	37	78	42	81	37	79	36	78	33	73	44	79	32	76	40	73	39	79	38	71	34	73	47	73	47						
21.	83	40	78	40	86	50	77	45	85	38	89	42	85	35	89	57	82	34	87	42	86	48	86	38	87	46	83	48	83	48	83					
22.	86	42	74	42	81	46	78	47	88	39	90	42	85	30	90	42	84	36	90	48	90	54	86	40	88	41	88	56	88	56	88					
23.	87	40	82	46	88	52	73	45	85	53	92	58	70	34	90	56	80	36	89	52	88	62	83	51	87	62	83	51	87	62						
24.	80	33	67	40	72	41	73	32	74	23	77	38	72	25	88	34	88	31	87	42	79	32	83	34	78	53	83	53	83	53						
25.	82	43	65	33	76	40	65	42	76	37	84	44	65	30	80	44	84	26	70	26	84	41	82	34	80	34	80	54	80	54	80					
26.	78	49	63	41	80	47	59	40	77	51	81	43	70	41	76	50	75	40	80	58	84	55	81	47	78	48	84	56	84	56	84					
27.	79	50	63	46	71	47	66	34	72	35	76	43	67	34	74	56	76	38	78	47	78	52	71	39	72	40	76	56	76	56	76					
28.	83	32	72	33	81	39	72	38	71	36	82	43	80	32	82	46	76	35	84	40	83	50	80	34	83	52	83	52	83	52						
29.	78	47	71	52	73	55	38	27	59	36	73	58	80	30	70	60	64	32	72	63	75	53	83	37	72	48	71	60	50	71						
30.	68	33	53	32	55	33	50	18	53	27	57	37	52	25	56	36	66	17	63	44	55	39	51	30	53	33	60	42	53	33						
31.	72	30	68	29	74	31	65	32	72	28	77	19	67	24	72	22	65	26	69	32	72	27	73	22	67	36	73	36	73	36						
Mns.	65.1	33.3	58.1	31.3	64.4	36.5	65.3	35.6	70.9	31.1	72.0	34.1	69.0	26.8	69.7	39.3	66.8	29.9	70.1	38.9	65.4	38.4	69.0	32.3	65.6	32.8	66.7	42.3	66.7	42.3	66.7	42.3				

Date.	Iowa.						Kansas.						Missouri.																							
	Valentine, Nebr.			Clarinda.			Sibley.			Colby.			Concordia.			Salina.			Topeka.			Wameer.			Columbia.			Kansas City.			St. Louis.			Unionville.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.			
1.	59	25	52	25	38	25	43	31	70	31	60	34	56	29	57	36	66	27	57	35	58	41	52	35	55	40	52	35	55	42	52	35	55	42	52	
2.	65	34	70	31	47	27	57	33	72	31	72	37	74	31	76	36	73	42	70	30	71	34	71	34	66	31	65	30	66	31	65	30	66	31	65	
3.	62	35	73	31	57	30	60	37	74	32	76	34	76	30	80	41	75	36	76	33	75	48	68	34	64	33	65	30	64	33	65	30	64			
4.	64	38	72	31	61	31	63	33	78	31	80	34	79	30	81																					